

REMARKS/ARGUMENTS

Claims 1-15 are pending. By this Amendment, the drawings and claims 1, 3-12, and 14 are amended. Support for the claims can be found throughout the specification, including the original claims, and the drawings. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Office Action objected to Figure 4 of the drawings for informalities. The Examiner's comments have been addressed in amending Figure 4. Accordingly, the objection is obviated and should be withdrawn.

The Office Action rejected claim 10 under 35 U.S.C. §102(e) as being anticipated by Daum, U.S. Patent No. 5,596,420. The rejection is respectfully traversed.

Independent claim 10 recites a method for controlling a display time point of an MPEG bit stream of a recording medium, comprising initializing a counter according to a system clock reference, and judging whether the current mode is a normal decoding mode, when a presentation time stamp is input, comparing a system time clock with the presentation time stamp while increasing the system time clock in the case that the current mode is a normal decoding mode, storing a presentation time stamp of the currently input picture in the case that the current mode is a special decoding mode, and updating the stored presentation time stamp with the presentation time stamp of a decoded or a skipped picture, while performing the special decoding, and replacing the system time clock with the previously stored presentation time stamp to perform a normal decoding, in the case that the current mode is switched to a normal

decoding mode after the special decoding mode has been performed. Daum fails to disclose or suggest such combination of features.

Regarding the initializing step of independent claim 10, the Examiner refers to column 3, lines 25-27 of Daum. However, column 3, lines 25-27 of Daum are directed to discussion of a prior art MPEG decoding system, as part of the "Background of the Invention" portion of Daum. Then, regarding the comparing step of independent claim 10, the Examiner refers to column 4, lines 10-16 of Daum. Column 4, lines 10-16 disclose the Daum invention, including a comparator that compares a difference value received from a subtractor, the difference value being a difference between a normalized video presentation times stamp value and an audio video presentation time stamp, with a predetermined time drift threshold. The comparator outputs a video frame skip signal if the difference value exceeds the predetermined time drift threshold and the different value is negative and outputs a video frame repeat signal if the difference value exceeds the predetermined time drift threshold and the different value is positive. However, column 4, lines 10-16 do not disclose or suggest comparing a system time clock with a presentation time stamp while increasing the system time clock in the case that a current mode is a normal decoding mode, as alleged by the Examiner.

Further, regarding the storing step of independent claim 10, the Examiner then skips to column 22, lines 37-40 of Daum. Column 22, lines 37-40 of Daum disclose that when a step control is activated, the clock input to a STC counter may be interrupted and thus the output of the STC counter may remain the start count received from the CPU 820. However, these lines

of Daum are directed to the clock input to the system time clock counter and thus they do not disclose or suggest storing a presentation time stamp of the currently input picture in the case that the current mode is a special decoding mode, and updating the stored presentation time stamp with a presentation time stamp of a decoded or a skipped picture, while performing the special decoded command, as alleged by the Examiner. Regarding the placing step of the independent claim 10, the Examiner again refers back to column 4, lines 10-16 of Daum. Again, these lines of Daum are directed to comparing a difference value (between a normalized video presentation time stamp and an audio presentation time stamp) with a predetermined time drift threshold and outputting video frame skip signal or a video frame repeat signal if the difference value exceeds the predetermined time drift threshold and the difference value is respectively negative or positive, and thus, do not disclose or suggest replacing the system time clock with the previously stored presentation time stamp to perform a normal decoding, in the case that the current mode is switched to a normal decoding mode after the special decoding mode has been performed, as alleged by the Examiner. Further, it is respectfully submitted that the Examiner's piecemeal selecting of various elements from the "Background of the Invention" section of Daum and the discussion of the various embodiments of Daum to attempt to construct the features of the present invention is improper and clearly based on improper hindsight.

Accordingly, Daum does not disclose or suggest the features of independent claim 10 or the claimed combination thereof, and accordingly the rejection of independent claim 10 over Daum is improper and should be withdrawn.

The Office Action rejected claims 1-4 and 6-9 under 35 U.S.C. §103(a) as being unpatentable over Daum in view of Watkinson. The rejection is respectfully traversed.

Independent claim 1 recites a crystal oscillator configured to generate a system clock frequency, a counter initialized according to a system clock reference (SCR) and configured to receive the system clock frequency from the crystal oscillator, count it, and output a system time clock (STC), in a normal decoding mode, a PTS (Presentation Time Stamp) controller configured to receive and store a presentation time stamp of a predetermined picture in a special decoding mode, and output the stored presentation time stamp as an initial value of the counter when the apparatus returns to a normal mode, and a comparator configured to receive the system time clock from the counter and a presentation time stamp of a predetermined picture, compare them, and output a display command signal in case that the system time clock and the presentation time stamp of a predetermined picture are identical to each other upon comparison. Daum and Watkinson, taken alone or in combination, fail to disclose or suggest such features or the claimed combination of independent claim 1.

Again, when discussing the claimed oscillator and claimed counter of independent claim 1, the Examiner refers to column 3, lines 26-27 of Daum. However, as set forth above, column 3, lines 26-27 of Daum discuss a prior art MPEG decoding system and are part of the "Background of the Invention" section of Daum. The Examiner then again jumps to column 22, lines 37-40 when discussing the presentation time stamp controller, and then jumps back to column 4, lines 10-16 when discussing the claimed comparator. However, as discussed above,

Daum does not disclose or suggest such features of the invention. Further, the Examiner's piecemeal selecting of various elements from the "Background of the Invention" section of Daum and the discussion of the various embodiments of Daum to attempt to construct the features of the present invention is improper and clearly based on improper hindsight. Additionally, Watkinson fails to overcome the deficiencies of Daum, as Watkinson is merely cited as teaching a crystal oscillator.

Accordingly, the rejection of independent claim 1 over Daum and Watkinson should be withdrawn. Dependent claims 2-4 and 6-9 are allowable at least for the reasons discussed above with respect to independent claim 1, from which they depend, as well as for their added features.

The Office Action rejects claim 5 under 35 U.S.C. §103(a) as being unpatentable over Daum and Watkinson, as applied to claims 1 and 2, and further in view of Lane, U.S. Patent No. 5,793,927. The rejection is respectfully traversed.

Dependent claim 5 is allowable over Daum and Watkinson for the reasons set forth above with respect to independent claim 1, from which it ultimately depends, as well as for its added features. Lane fails to overcome the deficiencies of the combination of Daum and Watkinson, as Lane is merely cited for allegedly teaching display of frames in fast-forward trick play mode as soon as they are available. Accordingly, the rejection of claim 5 over the combination of Daum, Watkinson, and Lane should be withdrawn.

The Office Action rejected claim 11 under 35 U.S.C. §103(a) as being unpatentable over Daum. The rejection is respectfully traversed.

play mode as soon as they are available. Accordingly, the rejection of claim 5 over the combination of Daum, Watkinson, and Lane should be withdrawn.

The Office Action rejected claim 11 under 35 U.S.C. §103(a) as being unpatentable over Daum. The rejection is respectfully traversed.

Claim 11 is allowable over Daum at least for the reasons discussed above with respect to independent claim 10, from which it respectively depends, as well as for its added features.

The Office Action rejected claims 12-14 under 35 U.S.C. §103(a) as being unpatentable over Daum in view of Watkinson. The rejection is respectfully traversed.

Dependent claims 12-14 are allowable over Daum at least for the reasons discussed above with respect to independent claim 10, from which they depend, as well as for their added features. Further, Watkinson fails to overcome the deficiencies of Daum, as Watkinson is merely cited for allegedly teaching a system clock frequency of 27 MHz and deriving a PTS for an image that does not have one. Accordingly, the rejection of claims 12-14 over the combination Daum and Watkinson should be withdrawn.

CONCLUSION

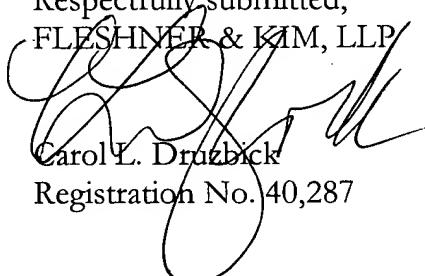
In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **Carol L. Druzbeck**, at the telephone number listed below.

Serial No. 09/710,959
Reply to Office Action of March 9, 2005

Docket No. P-0149

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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Amendments to the Drawings:

The attached drawing includes changes to Fig. 4. This sheet, which includes Fig. 4, replaces the original sheet including Fig. 4. The changes to Fig. 4 correct informalities. No new matter is added.

Attachments: Replacement Sheet
Annotated Sheet Showing Changes

FIG. 4

